CLAIMS

1. (Cancelled)

2. (Withdrawn) A method as recited in claim 9 wherein generating a reverse direction signal comprises generating a reverse direction from a shift lever.

3. (Withdrawn) A method as recited in claim 9 wherein generating a reverse direction signal comprises generating a reverse direction from a push button.

4. (Withdrawn) A method as recited in claim 9 wherein generating a reverse direction signal comprises generating a reverse direction from a transmission controller.

5. (Withdrawn) A method as recited in claim 9 wherein generating a reverse direction signal comprises generating a reverse direction from a wheel speed sensor.

6. (Withdrawn) A method as recited in claim 9 wherein applying brake-steer comprises applying at least one brake at a first wheel to reduce a vehicle turning radius.

7. (Withdrawn) A method of controlling an automotive vehicle comprising: generating a reverse direction signal corresponding to a reverse direction of the vehicle; and

applying brake-steer in response to the reverse direction signal by applying an increased drive torque to a second wheel relative to a first wheel.

8. (Withdrawn) A method as recited in claim 9 wherein applying brake-steer comprises applying brake-steer to a front wheel.

9. (Withdrawn) A method of controlling an automotive vehicle comprising: generating a reverse direction signal corresponding to a reverse direction of the vehicle; and

applying brake-steer in response to the reverse direction signal by proportioning brake steer between a front wheel and a rear wheel.

10. (Withdrawn) A method as recited in claim 9 wherein proportioning comprises proportioning between the front and rear wheel in response to a transfer case mode.

11. (Withdrawn) A method as recited in claim 9 further comprising determining a steering wheel angle and wherein applying brake-steer comprises applying brake-steer in response to the reverse direction signal and steering wheel angle.

12. (Withdrawn) A method of controlling an automotive vehicle comprising: determining a yaw rate;

generating a reverse direction signal corresponding to a reverse direction of the vehicle; and

applying brake-steer in response to the reverse direction signal and wherein applying brake-steer comprises applying brake-steer in response to the reverse direction signal and said yaw rate.

13. (Withdrawn) A method of controlling an automotive vehicle comprising: determining a steering wheel torque;

generating a reverse direction signal corresponding to a reverse direction of the vehicle; and

applying brake-steer in response to the reverse direction signal determining a steering wheel torque and wherein applying brake-steer comprises applying brake-steer in response to the reverse direction signal and steering wheel torque.

14. (Withdrawn) A method as recited in claim 9 further comprising determining a steering wheel angle and a vehicle velocity and wherein applying brake-steer comprises applying brake-steer in response to the reverse direction signal and steering wheel angle and vehicle velocity.

15.-26. (Cancelled)

27. (Original) A vehicle comprising:

a shift lever having a reverse position generating a reverse position signal; and

a controller coupled to the shift lever, said controller applying brake-steer in response to the reverse position signal.

28. (Original) A vehicle as recited in claim 27 further comprising a transfer case having a transfer case mode, said controller changing the transfer case mode based on brake-steer.

29. (Original) A vehicle as recited in claim 27 wherein said controller is programmed to apply brake-steer by applying a first brake and a second brake to reduce the turning radius of the vehicle.

30. (Original) A vehicle as recited in claim 27 wherein said controller is programmed to apply brake-steer by applying at least one brake at a first wheel to reduce a vehicle turning radius.

31. (Original) A vehicle as recited in claim 27 wherein said controller is programmed to apply brake-steer by applying an increased drive torque to a second wheel relative to the first wheel.

32. (Original) A vehicle as recited in claim 27 further comprising a steering wheel angle sensor generating a steering wheel angle signal, said controller programmed to apply brake-steer in response to the reverse directional signal and the steering wheel angle signal.

33. (Withdrawn) A vehicle as recited in claim 27 further comprising a yaw rate sensor generating a yaw rate signal, said controller programmed to apply brake-steer in response to the reverse direction signal and yaw rate signal.

34. (Withdrawn) A vehicle as recited in claim 27 further comprising a steering wheel torque sensor generating a steering torque signal, said controller programmed to apply brake-steer in response to the reverse direction signal and steering torque signal.

35. (Withdrawn) A vehicle as recited in claim 27 further comprising a steering wheel angle sensor generating a steering wheel angle signal and a vehicle velocity sensor generating a vehicle velocity signal, said controller programmed to apply brake-steer in response to the reverse direction signal and steering wheel angle and vehicle velocity signal.